

**Please replace the Abstract of the Disclosure with the following, amended Abstract of the Disclosure:**

~~To perform a transmission diversity control in a best state by monitoring a transmission line state of an up-link and a transmission line state of a down-link.~~ A CDMA base station, which controls a transmission state of a base station having not less than two transmission antennas by a transmission state control command transmitted from a mobile station via the up-link, includes: at least two antenna; a receiving portion which receives a-an up-link signal, including a transmission state control command, of the up-link from a mobile station; an up-link transmission line state estimation portion which estimates a transmission line state of the-an up-link with the transmission antenna of the mobile station from the above-described received up-link signal; a down-link transmission line state estimation portion which estimates a transmission line state of the-a down-link from the received up-link signal; a transmission state control portion which controls the transmission state of the base station from-based on the transmission state control command-taken from the above-described receiving portion, the estimated transmission line state of the up-link, and the estimated down-link-transmission line state of the down-link; and a transmission portion which receives instruction from the transmission state control portion and performs transmission processing instructed from the transmission state control portionbased on the instruction.